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Agricultural Memorandum No 360

Formulae for Return-to-Capacity average dates using Rainfall and Transpiration

L P Smith

Previous formulae (Ag Mem 250 et seque) used average annual rainfall (R) only as a regression parameter. The average summer potential transpiration (T) has now been incorporated to improve the fit.

The formulae are:

		Days after August 31
NORTH	30 ins and below	16T-5R-52
	Above 30 ins	4.4T-1.7R+12
MIDLANDS		14.3T-4.5R-~~65~~51
EAST		8.3T-4.8R+67
SOUTH-EAST		5.5T-3.4R+77
SOUTH-WEST		10T-3.1R-13

No significant improvement could be found for the Welsh data, the old formulae being:

WALES	40 ins and below	179-4.0R
	Above 40 ins	130-2.8R

Any comments or criticism on this memorandum should be sent to the author.

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